# ABSTRACT OF THE DISCLOSURE

A computer architecture operates a computer using self-manipulating trees. A source is input and is matched to a self-manipulating tree using open-ended inviting to match identities to portions of the source. After activating the root node of the self-manipulating tree, the self-manipulating tree self-manipulates according to the instructions for self-manipulating contained in the identities pointed to by the nodes of the self-manipulating tree. The invention may be used as a natural language search engine for electronic data bases, a natural language programming language, a parser-free computer operating system, a computer problem solving system, and as an enhancement feature for general purpose computers and general purpose computer applications, such as a translator and a help engine.